

FORM PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
860098.403C1APPLICATION NO.
09/593,288

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANTS

Bernd Stein et al.

FILING DATE

June 13, 2000

GROUP ART UNIT

1633 1652

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
yo	AA	5,736,381	4/7/98	Davis et al.	435	252.3	
yo	AB	6,074,862	6/13/00	Stein et al.	435	194	
	AC						
	AD						
	AE						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
yo	AF	WO 95/21923	8/17/95	WIPO				
yo	AG	WO 96/36642	11/21/96	WIPO				
	AH							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

yo	AI	Cano and Mahadevan, "Parallel signal processing among mammalian MAPKs," <i>Trends in Biochemical Sciences</i> 20:117-122, 1995.
yo	AJ	Cobb et al., "Extracellular signal-regulated kinases: ERKs in progress," <i>Cell Regulation</i> 2:965-978, 1991.
yo	AK	Cobb and Goldsmith, "How MAP Kinases Are Regulated," <i>Journal of Biological Chemistry</i> 270(25):14843-14846, 1995.
yo	AL	Crystal, Ronald G., "Transfer of Genes to Humans: Early Lessons and Obstacles to Success," <i>Science</i> 270:404-410, 1995.
yo	AM	Cuenda et al., "Purification and cDNA cloning of SAPKK3, the major activator of RK/p38 in stress- and cytokine- stimulated monocytes and epithelial cells," <i>EMBO Journal</i> 15(16):4156-4164, 1996.
yo	AN	Darnell et al., <i>Molecular Cell Biology</i> , p. 54, Scientific American Books, New York, NY, 1986.
yo	AO	Davis, R., "MAPKs: new JNK expands the group," <i>Trends in Biochemical Sciences</i> 19:470-473, 1994.

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	BA						
	BB						

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							YES	NO
	BC							
	BD							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

yo	BE	Dérjard <i>et al.</i> , "Independent Human MAP Kinase Signal Transduction Pathways Defined by MEK and MKK Isoforms," <i>Science</i> 267:682-685, 1995.
yo	BF	Han <i>et al.</i> , "A MAP Kinase Targeted by Endotoxin and Hyperosmolarity in Mammalian Cells," <i>Science</i> 265:808-811, 1994.
yo	BG	Han <i>et al.</i> , "Characterization of the Structure and Function of a Novel MAP Kinase Kinase (MKK6)," <i>Journal of Biological Chemistry</i> 271(6):2886-2891, 1996.
yo	BH	Herskowitz, I., "MAP Kinase Pathways in Yeast: For Mating and More," <i>Cell</i> 80:187-197, 1995.
yo	BI	Hunter and Karin, "The Regulation of Transcription by Phosphorylation," <i>Cell</i> 70:375-387, 1992.
yo	BJ	Hunter, T., "Protein Kinases and Phosphatases: The Yin and Yang of Protein Phosphorylation and Signaling," <i>Cell</i> 80:225-236, 1995.
yo	BK	Karin and Smeal, "Control of transcription factors by signal transduction pathways: the beginning of the end," <i>Trends in Biochemical Sciences</i> 17: 418-422, 1992.
yo	BL	Lee <i>et al.</i> , A protein kinase involved in the regulation of inflammatory cytokine biosynthesis," <i>Nature</i> 372:739-746, 1994.
yo	BM	Lin <i>et al.</i> , Identification of a Dual Specificity Kinase That Activates the Jun Kinases and p38-Mpk2," <i>Science</i> 268:286-290, 1995.
yo	BN	Minden <i>et al.</i> , "Differential Activation of ERK and JNK Mitogen-Activated Protein Kinases by Raf-1 and MEKK," <i>Science</i> 266:1719-1723, 1994.

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					YES NO
CC					
CD					

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yo	CE	Moriguchi <i>et al.</i> , "Evidence for Multiple Activators for Stress-activated Protein Kinases/c-Jun Amino-terminal Kinases. Existence of Novel Activators," <i>Journal of Biological Chemistry</i> 270(22):12969-12972, 1995.
yo	CF	Pang <i>et al.</i> , "Inhibition of MAP Kinase Kinase Blocks the Differentiation of PC-12 Cells Induced by Nerve Growth Factor," <i>Journal of Biological Chemistry</i> 270(23):13585-13588, 1995.
yo	CG	Raingaud <i>et al.</i> , "MKK3- and MKK6- Regulated Gene Expression Is Mediated by the p38 Mitogen-Activated Protein Kinase Signal Transduction Pathway," <i>Mol. Cell Biol</i> 16(3):1247-1255, 1996.
yo	CH	Rouse <i>et al.</i> , "A Novel Kinase Cascade Triggered by Stress and Heat Shock That Stimulates MAPKAP Kinase-2 and Phosphorylation of the Small Heat Shock Proteins," <i>Cell</i> 78:1027-1037, 1994.
yo	CI	Sánchez <i>et al.</i> , "Role of SAPK/ERK kinase-1 in the stress-activated pathway regulating transcription factor c-Jun," <i>Nature</i> 372:794-798, 1994.
yo	CJ	Seeger and Krebs, "The MAPK signaling cascade," <i>FASEB Journal</i> 9:726-735, 1995.
yo	CK	Stein <i>et al.</i> , "Cloning and Characterization of MEK6, a Novel Member of the Mitogen-activated Protein Kinase Kinase Cascade," <i>Journal of Biological Chemistry</i> 271(19):11427-11433, 1996.

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							YES	NO
	DE							
	DF							
	DG							
	DH							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

yo	DI	Yan et al., "Activation of stress-activated protein kinase by MEKK1 phosphorylation of its activator SEK1," <i>Nature</i> 372:798-800, 1994.
yo	DJ	Yashar et al., "Novel Members of the Mitogen-Activated Protein Kinase Activator Family in <i>Xenopus laevis</i> ," <i>Molecular and Cellular Biology</i> 13(9):5738-5748, 1993.
yo	DK	Zhou et al., "Components of a New Human Protein Kinase Signal Transduction Pathway," <i>Journal of Biological Chemistry</i> 270(21):12665-12669, 1995.
	DL	
	DM	
	DN	
	DO	

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